

LISTING SHOWING THE AMENDMENT TO THE CLAIMS

This listing replaces all prior listings of claims.

IN THE CLAIMS

Amend the claims as follows:

1 (Currently amended). A printable polymer mixture for the preparation of a double layer comprising a semiconductor layer and a non-semiconductive layer wherein the mixture exhibits, ~~the polymer mixture having~~ semiconductive properties, the mixture comprising:

- one or more semiconductive polymers; and
- one or more non-semiconductive polymers;

in a solution comprising a non-electrolytic solvent to form said printable mixture and said double layer.

2 (Currently amended). The polymer mixture as claimed in claim 1 wherein the semiconductive polymers include at least one of the group consisting of polythiophene, polyfluorene and/or polythienylenevinylene.

3 (Currently amended). The polymer mixture as claimed in claim 1 wherein the non-semiconductive polymers are selected from the group consisting of at least one of polystyrene, polymethyl methacrylate, cymel and/or poly isobutyl.

4 (Currently amended). The polymer mixture as claimed in claim 1 wherein said solvent includes ~~including solvents including~~ at least one of chloroform, toluene, ketones, dioxane and/or heptane.

5 (Currently amended). The polymer mixture as claimed in claim 1 wherein the mixture it additionally contains molecules which are smaller than polymers, in particular oligomers, conductive molecules ~~and/or~~ semiconductive molecules.

6 (Currently amended). The polymer mixture as claimed in claim 1 wherein the mixture it further includes ~~of customary~~ additives.

7 (Currently amended). The polymer mixture as claimed in claim 1 wherein the mixture it has a viscosity of more than 8 mpa.s.

8 (Withdrawn- Currently amended). A printing process for the production of a semiconductive double layer by a known process, selected from the group consisting of at least one of screen printing, flexographic printing, offset printing, gravure printing ~~and/or~~ pad printing process, the polymer mixture as claimed in claim 1 being used as a print medium in the known process.

9 (Withdrawn- Currently amended). A printing process for the production of a semiconductive double layer by a known process, selected from the group consisting of screen printing, flexographic printing, offset printing, gravure printing ~~and/or~~ pad printing process, the double layer produced by printing a printing medium comprising the polymer mixture of claim 1 for forming

- the one or more semiconductive polymers in a first of its layers, and
- the one or more non-semiconductive polymers in a second of its layers.

Claim 10, canceled.

11 (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 1.

12 (Withdrawn). An electronic component which is produced using a polymer mixture that forms a double layer as claimed in claim 9.

13. (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 2.

14. (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 3.

15 (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 4.

16. (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 5.

17. (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 6.

18. (Previously presented). An electronic component which is produced using a polymer mixture as claimed in claim 7.

19 (Withdrawn). The printing process for the production of a double layer as claimed in claim 9, in which a polymer mixture as claimed in claim 2 is used.

20 (Withdrawn). The printing process for the production of a double layer as claimed in claim 9, in which a polymer mixture as claimed in claim 3 is used.

Add the following claim:

21 (New). An electronic component comprising:

a substrate; and on the substrate:

a polymer mixture, the polymer mixture comprising first and second materials having respective semiconductive and non-semiconductive properties, the mixture comprising:

- one or more semiconductive polymers; and
- one or more non-semiconductive polymers,

wherein the semiconductive and non-semiconductive polymers separate from one another after deposition on the substrate forming separate and discrete semiconductor and non-semiconductor layers on the substrate.